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(FILE 'HOME' ENTERED AT 17:19:46 ON 25 JAN 2002)

FILE 'MEDLINE, CAPLUS' ENTERED AT 17:19:56 ON 25 JAN 2002

L1 0 S (CONNECTIN) (10A) (CHICKEN) (10A) (MUTATION OR POLYMORPHISM)  
L2 0 S (CONNECTIN) AND (CHICKEN) AND (MUTATION OR POLYMORPHISM)  
L3 129 S (CONNECTIN) AND (CHICKEN)  
L4 91 DUP REM L3 (38 DUPLICATES REMOVED)  
L5 6 S L4 AND GENE  
L6 562 S CONNECTIN AND TITIN  
L7 450 DUP REM L6 (112 DUPLICATES REMOVED)  
L8 13 S L7 AND MUTATION

FILE 'STNGUIDE' ENTERED AT 17:27:31 ON 25 JAN 2002

L8 ANSWER 10 OF 13 MEDLINE  
 AN 97324091 MEDLINE  
 DN 97324091 PubMed ID: 9180260  
 TI Deletion in the Z-line region of the **titin** gene in a baby  
 hamster kidney cell line, BHK-21-Bi.  
 AU Jackel M; Witt C; Antonova O; Curdt I; Labeit S; Jockusch H .  
 CS Developmental Biology Unit, University of Bielefeld, Germany.  
 SO FEBS LETTERS, (1997 May 12) 408 (1) 21-4.  
 Journal code: EUH; 0155157. ISSN: 0014-5793.  
 CY Netherlands  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199706  
 ED Entered STN: 19970716  
 Last Updated on STN: 19970716  
 Entered Medline: 19970627  
 AB The gene for **titin**, a 4MDa myofibrillar protein, was analysed in  
 golden hamster DNAs from different sources, using human cDNA probes and  
 PCR. In the DNA from the BHK-21-Bi subline of baby hamster kidney cells,  
 extended sequences coding for Z-line associated domains were missing,  
 indicating a deletion that renders **titin** non-functional. These  
 sequences were present in the original BHK-21 line and in hamster DNAs.  
 Our finding shows that, due to the absence of selective pressure on a  
 gene's function, genomic deterioration can occur in a permanent cell line  
 and can lead to a loss of overlapping DNA stretches in both autosomes.